XP-002155814 [redacted]OSIS / BIOSIS [redacted]

P.D 04-2000
P. 1
2

AN - PREV200000367064

TI - In vitro antimicrobial activity of six medicinal plants traditionally used for the treatment of dysentery and diarrhoea in Democratic Republic of Congo (DRC).

AB - Twenty-four crude extracts derived from six medicinal plants highly valued as antidiarrhoeal agents in Congolese folk medicine were screened for antimicrobial activity against several enteric pathogens. The results of this study indicated that the methanolic and aqueous extracts derived from three of them (Roureopsis obliquifoliolata, Epinetrum villosum and Cissus rubiginosa) possessed prominent antibacterial activity, therefore supporting the ethnomedical uses of these species. In addition, phytochemical analysis of these medicinal plants showed that 1/6 plant sample contained alkaloids, 6/6 triterpenes and/or sterols, 4/6 flavonoids, 3/6 tannins and 5/6 saponins. Anthraquinones were not detected in any of these plants.

IW - ** Major Concepts **
Biochemistry and Molecular Biophysics; Pharmacognosy (Pharmacology)
- - ** Diseases **
diarrhea: digestive system disease; dysentery: digestive system disease
- - ** Organisms **
Cissus rubiginosa (Vitaceae): medicinal plant; Croton mubango (Euphorbiaceae): medicinal plant; Epinetrum villosum (Menispermaceae): medicinal plant; Quassia africana (Simaroubaceae): medicinal plant; Roureopsis obliquifoliolata (Connaraceae): medicinal plant; Vernonia amygdalina (Compositae): medicinal plant
- - ** Taxanotes **
Angiosperms; Dicots; Plants; Spermatophytes; Vascular Plants
- - ** Super Taxa **
Compositae: Dicotyledones, Angiospermae, Spermatophyta, Plantae; Connaraceae: Dicotyledones, Angiospermae, Spermatophyta, Plantae; Euphorbiaceae: Dicotyledones, Angiospermae, Spermatophyta, Plantae; Menispermaceae: Dicotyledones, Angiospermae, Spermatophyta, Plantae; Simaroubaceae: Dicotyledones, Angiospermae, Spermatophyta, Plantae; Vitaceae: Dicotyledones, Angiospermae, Spermatophyta, Plantae
- - ** Chemicals and Biochemicals **
crude drug extracts: antimicrobial activity

AW - ** Alternate indexing **
Diarrhea (MeSH); Dysentery (MeSH)

PBC - 25840 25845 26055 26370 26770 26940

PCC - 51522*10060-14006-54000-

PUB - Phytomedicine (Jena)
- April, 2000

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IRN - ISSN 0944-7113

VOL - 7

NR - 2

PG - 167-172

DT - Article